REMARKS

In the Restriction Requirement mailed February 16, 2006, the Examiner required restriction to one of the following Groups:

Group I: Claims 1-13 and 19, drawn to a computer readable memory and a method for producing a third hypothetical mathematical model via a filtering fitness function, classified in class 703, subclass 2.

Group II: Claims 14-17, drawn to a method of generating a global optimum solution comprising a mathematical model of a biological system, classified in class 703, subclass 11 and class 706, subclass 13.

Group III: Claim 18, drawn to a method of applying first and second artificial intelligence algorithms to produce a third hypothetical model, classified in class 706, subclass 14.

Applicants elect **Group I**, Claims 1-13 and 19, without traverse, for further prosecution. Claims 14-18 are withdrawn from further prosecution. Applicants reserve the right to pursue the nonelected Groups in divisional applications at a later date.

CONCLUSION

Please direct any calls in connection with this application to the undersigned at (415) 781-1989.

Respectfully submitted,
DORSEY & WHITNEY LLP

Dated: 4/17/06

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